

IMAGE ENHANCEMENT BY SUB-PIXEL IMAGING

Abstract of the Disclosure

Methods and apparatus for improving the resolution of an electronic imaging device having an array of pixels. Sub-pixel dimension movements between an object and the array of pixels are made, and an image is formed at each position. Resulting shifted images are combined to yield an effective resolution corresponding to an array having smaller pixels. Such methods and apparatus allow optical systems with existing pixel devices to form effective images of smaller feature sizes.

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